

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor:	Han-Ting Chang	Confirmation No.:	4543
Appln. No.:	10/689,775	Examiner:	Cheung, William K.
Filing Date:	October 20, 2003	Group Art Unit:	1796
Title:	<b>Olefin-Hydrophilic Block Copolymers of Controlled Sizes and Methods of Making and Using the Same</b>		

## SUBMISSION UNDER 37 C.F.R. § 3.73(b)

Commissioner for Patents  
P.O. Box 1450  
Alexandra, Virginia 22313-1450

Dear Sir:

**Symyx Technologies, Inc.**, a Delaware corporation, is an owner of the patent application identified above by virtue of either:

1. ☒ An assignment from the inventor(s) of the patent application identified above, a copy of which is attached.

OR

2. ☐ A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:
- a. From: To:  
The document was recorded in the U.S. Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or a copy of which is attached.
- b. From: To:  
The document was recorded in the U.S. Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or a copy of which is attached.

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of **Symyx Technologies, Inc.**

Dated: 11/18/08

Signature: 

Name: Rex S. Jackson

Title: EVP, CFO



UNITED STATES  
PATENT AND  
TRADEMARK OFFICE

RECEIVED

APR 23 2003

APR 3 2003

Symyx Technologies

Legal Department

APRIL 15, 2003

Symyx Technologies  
Legal Department

Under Secretary of Commerce For Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
www.uspto.gov

SYMYX TECHNOLOGIES, INC.  
RONALD A. KRASNOW  
LEGAL DEPARTMENT  
3100 CENTRAL EXPRESSWAY  
SANTA CLARA, CA 95051

RECEIVED

APR 3 2003



\*102312285A\*

Symyx Technologies

UNITED STATES PATENT AND TRADEMARK OFFICE  
Legal Department  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/10/2002

REEL/FRAME: 013566/0450  
NUMBER OF PAGES: 7

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
CHANG, HAN TING

DOC DATE: 11/05/2002

ASSIGNOR: A  
HAJDUK, DOMINIAN

DOC DATE: 12/05/2002

ASSIGNOR:  
ROGER, FLORENCE

DOC DATE: 12/05/2002

ASSIGNOR:  
SAFIR, ADAM

DOC DATE: 12/05/2002

ASSIGNOR:  
CHARMOT, DOMINIQUE

DOC DATE: 12/05/2002

ASSIGNOR:  
JAYARAMAN, MANIKANDAN

DOC DATE: 12/02/2002

ASSIGNOR:  
NAVA-SALGADO, VICTOR

DOC DATE: 12/05/2002

013566/0450 PAGE 2

ASSIGNEE:

SYMYX TECHNOLOGIES, INC.  
3100 CENTRAL EXPRESSWAY  
LEGAL DEPARTMENT  
SANTA CLARA, CALIFORNIA 95051

SERIAL NUMBER: 60419951  
PATENT NUMBER:

FILING DATE: 10/21/2002  
ISSUE DATE:

LAZENA MARTIN, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

12-16-2002

Attorney's Docket No. 2002-061P1  
PATENTForm PTO-1595  
(Rev. 6-93)  
OMB No. 0651-0011 (exp. 4/94)102312285  
PATENTS ONLYUS DEPARTMENT OF COMMERCE  
Patent and Trademark OfficeTo the Honorable Assistant Commissioner of Patents and Trademarks.  
Please record the attached original documents or copy thereof.

1. Name of conveying party(ies) Chang, Han Ting Hajduk, Damian Roger, Florence Safir, Adam	Charmot, Dominique Jayaraman, Manikandan Nava-Salgado, Victor	2. Name and address of receiving party(ies) Name: Symyx Technologies, Inc. Legal Department 3100 Central Expressway Santa Clara, CA 95051
Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Other	<input type="checkbox"/> Merger <input type="checkbox"/> Change of Name
Execution Date: 11/5/2002; 12/2/2002; 12/5/2002	
Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is:	
A. Patent Application No.(s) 60/419,951	B. Patent No.(s)
Filed: October 21, 2002	
Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

5. Name and address of party to whom correspondence concerning document should be mailed:  Attorney's Name: Ronald A. Krasnow  Name: Symyx Technologies, Inc. Legal Department 3100 Central Expressway Santa Clara, CA 95051	6. Total number of applications and patents involved: 1
	7. Total fee (37 CFR 3.41):.....\$ 40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account
	8. Deposit account number: 50-0496 (Attached duplicate copy of this page if paying by deposit account)

9. Statement and signature:  
*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Ronald A. Krasnow Reg. No. 33, 321  
(Name of Person Signing)12-5-02  
Date

Total number of pages being submitted, including cover sheet, attachment(s), and document(s) are: 7

Mail documents to be recorded with required cover sheet information to:  
Box Assignments  
Assistant Commissioner of Patents and Trademarks  
Washington, DC 20231

12/13/2002 LNUELLER 00000112 500496 60419951

01 FC:8021

40.00 CH

**ASSIGNMENT OF PATENT APPLICATION**

JOINT

WHEREAS, Han Ting Chang residing at Livermore, California, Dominique Charmot residing at Campbell, California, Damian Hajduk residing at San Jose, California, Manikandan Jayraman residing at San Francisco, California, Florence Roger residing at Santa Clara, California, Victor Nava-Salgado residing at San Jose, California, and Adam Safir, residing at Berkeley, California hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below identified application for United States Letter Patent:

Title of Invention:        **Olefin-Hydrophilic Block Copolymers Of Controlled Sizes and Methods Of Making And Using The Same**

Filing Date: October 21, 2002        Application No.: 60/419,951    and

WHEREAS, Symyx Technologies, Inc., a Delaware corporation, located at 3100 Central Expressway, Santa Clara, California 95051, hereinafter referred to as "Assignee," is desirous of acquiring an interest in the invention and application and in any Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application, and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Date: 11/05/2002

Han Ting Chang  
Han Ting Chang

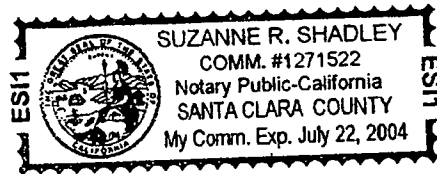
STATE OF California  
COUNTY OF Santa Clara

On Nov. 5, 2002, before me, Suzanne R. Shadley, Notary Public, personally appeared Han Ting Chang personally known to me (~~or proved to me on the basis of satisfactory evidence~~) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(ies), and that by his/~~her/their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature

Suzanne R. Shadley



(Seal)

Date: Dec 5<sup>th</sup>, 2002

Dominique Charmot  
Dominique Charmot

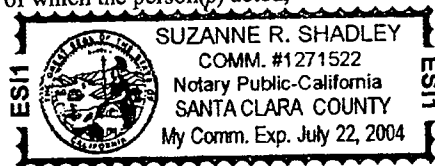
STATE OF California  
COUNTY OF Santa Clara

On December 5, 2002, before me, Suzanne R. Shadley, Notary Public, personally appeared Dominique Charmot personally known to me (~~or proved to me on the basis of satisfactory evidence~~) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(ies), and that by his/~~her/their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature

Suzanne R. Shadley



(Seal)

Date: 5 DECEMBER 2002

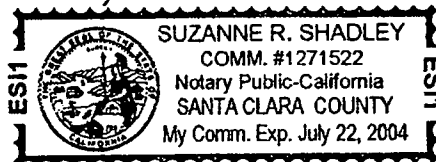
*Damian Hajduk*  
Damian Hajduk

STATE OF California  
COUNTY OF Santa Clara

On Dec. 5, 2002, before me, Suzanne R. Shadley, Notary Public, personally appeared Damian Hajduk personally known to me (~~or proved to me on the basis of satisfactory evidence~~) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature *Suzanne R. Shadley*



(Seal)

Date: \_\_\_\_\_

\_\_\_\_\_  
Manikandan Jayaraman

STATE OF California  
COUNTY OF \_\_\_\_\_

On \_\_\_\_\_, before me, \_\_\_\_\_, Notary Public, personally appeared Manikandan Jayaraman personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature \_\_\_\_\_

(Seal)

Date: \_\_\_\_\_

\_\_\_\_\_  
Damian Hajduk

STATE OF California  
COUNTY OF Santa Clara

On \_\_\_\_\_, before me, \_\_\_\_\_, Notary Public, personally appeared Damian Hajduk personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature \_\_\_\_\_

(Seal)

Date: 12/2/2002

J. Manikandan  
\_\_\_\_\_  
Manikandan Jayaraman

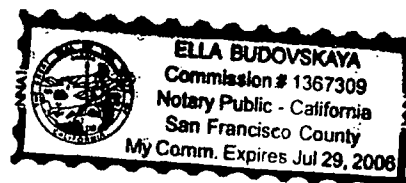
STATE OF California  
COUNTY OF SAN FRANCISCO

On Dec. 02, 2002, before me, Elle Budovskaya, Notary Public, personally appeared Manikandan Jayaraman personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature Elle Budovskaya

(Seal)





Date: 12/05/02

F. Roger  
Florence Roger

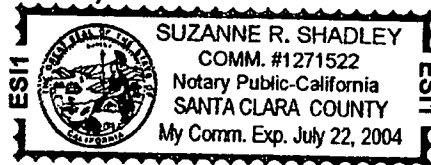
STATE OF California  
COUNTY OF Santa Clara

On Dec. 5, 2002, before me, Suzanne R. Shadley, Notary Public, personally appeared Florence Roger personally known to me (~~or proved to me on the basis of satisfactory evidence~~) to be the person(s) whose name(s) is/~~are~~ subscribed to the within instrument and acknowledged to me that ~~he/she/they~~ executed the same in his/~~her/their~~ authorized capacity(~~ies~~), and that by his/~~her/their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature

Suzanne R. Shadley



(Seal)

Date: December 5th. 2002

Victor Nava-Salgado  
Victor Nava-Salgado

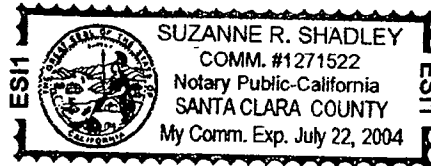
STATE OF California  
COUNTY OF Santa Clara

On Dec. 5, 2002, before me, Suzanne R. Shadley, Notary Public, personally appeared Victor Nava-Salgado personally known to me (~~or proved to me on the basis of satisfactory evidence~~) to be the person(s) whose name(s) is/~~are~~ subscribed to the within instrument and acknowledged to me that ~~he/she/they~~ executed the same in his/~~her/their~~ authorized capacity(~~ies~~), and that by his/~~her/their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

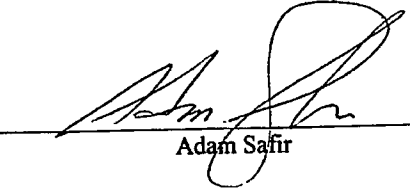
Signature

Suzanne R. Shadley



(Seal)

Date: 12/5/02

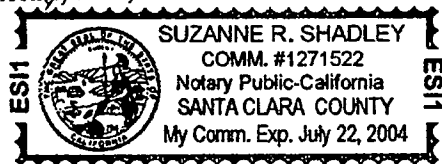
  
Adam Safir

STATE OF California  
COUNTY OF Santa Clara

On Dec. 5, 2002, before me, Suzanne R. Shadley, Notary Public, personally appeared Adam Safir personally known to me (~~or proved to me on the basis of satisfactory evidence~~) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(ies), and that by his/~~her/their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature 



(Seal)